

CLAIMS

What I claim is:

1 1. A combination toy gun and projectile to be expelled from said toy gun, said toy gun
2 having a triggering mechanism to be actuated by a user, comprising:
3 a. a body,
4 b. at least one black light responsive projectile,
5 c. means for supplying and storing said projectile to said body,
6 d. at least one black light source positioned within said body for exposing said
7 projectile to black light,
8 e. a triggering mechanism in said body for selectively engaging said exposed
9 projectile from said supplying and storing means in preparation for expulsion, and
10 f. a launching mechanism within said body for engaging and expelling said exposed
11 projectile from said body;
12 wherein said projectile expelled from said body has a glowing effect.

1 2. The combination of claim 1 wherein said body comprises an upper portion and a
2 lower portion.

1 3. The combination of claim 2 further comprises a handle attached to said lower
2 portion of said body.

1 4. The combination of claim 1 wherein said body comprises an opening for
2 expelling said projectile.

1 5. The combination of claim 1 further comprises a launching channel within said
2 body for expelling said projectile from said body in a reasonably linear fashion.

1 6. The combination of claim 1 wherein each of said black light responsive projectile
2 is a disk.

1 7. The combination of claim 1 wherein each of said black light responsive projectile
2 is made of foam.

1 8. The combination of claim 1 wherein each of said black light responsive projectile
2 contains fluorescent pigment:

1 9. The combination of claim 1 wherein each of said black light responsive projectile
2 contains phosphorescent pigment.

1 10. The combination of claim 1 wherein said supplying and storing means is
2 removably attachable to said body.

1 11. The combination of claim 1 wherein said supplying and storing means comprises
2 a tubular body having an open end and a closed end.

1 12. The combination of claim 11 wherein said open end of said supplying and storing
2 means is removably attachable to said body.

1 13. The combination of claim 2 comprising first and second black light sources, with
2 said first black light source attached to said upper portion of said body and said second black
3 light source attached to said lower portion of said body.

1 14. The combination of claim 1 wherein said triggering mechanism comprises a
2 trigger and an engaging plate, wherein upon actuation of said trigger by a user, said trigger
3 actuates said engaging plate to slidably push each of said projectile sequentially from said
4 supplying and storing means to be in a position for engagement by said launching mechanism.

1 15. The combination of claim 14 wherein said triggering mechanism further
2 comprises a spring and a gear combination, wherein upon actuation of said trigger by a user, said
3 spring compresses and through said gear combination, actuates said engaging plate.

1 16. The combination of claim 15 wherein said triggering mechanism further
2 comprises a latching element to ensure that said trigger is fully actuated before said spring
3 returns said engaging plate to its original position.

1 17. The combination of claim 1 wherein said launching mechanism comprises a
2 driver motor that imparts rotational movement, a driver disk connected to said driver motor for
3 engaging and expelling said projectile, and a idler disk for pushing said projectile against said

4 driver disk and for supporting said projectile to ensure said projectile exits said body in a
5 reasonably linear fashion.

1 18. The combination of claim 1 further comprises a speaker within said body that
2 produces a sound effect to accompany each actuation of said triggering mechanism.

1 19. The combination of claim 1 further comprises a power source supplying energy to
2 said at least one black light source and said launching mechanism.

1 20. The method of providing at least one glowing projectile for expulsion from a toy
2 gun, comprising the steps of:

- 3 a. providing at least one black light responsive projectile,
- 4 c. providing means for supplying and storing said projectile within said toy gun,
- 5 d. providing at least one black light source within said toy gun,
- 6 e. providing a staging area for said projectile,
- 7 f. providing a triggering mechanism for engaging said projectile from said
8 supplying and storing means to said staging area,
- 9 g. exposing said at least one black light responsive projectile to said at least one
10 black light source at said staging area, and
- 11 h. providing a launching mechanism for engaging said exposed projectile at said
12 staging area and expelling said exposed projectile from said toy gun.

1 21. The method of claim 20 wherein each of said black light responsive projectile is a
2 disk.

1 22. The method of claim 20 wherein each of said black light responsive projectile is
2 made of foam.

1 23. The method of claim 20 wherein each of said black light responsive projectile
2 contains fluorescent pigment.

1 24. The method of claim 20 wherein each of said black light responsive projectile
2 contains phosphorescent pigment.

1 25. The method of claim 20 wherein said supplying and storing means is removably
2 attachable to said toy gun.

1 26. The method of claim 20 wherein said supplying and storing means comprises a
2 tubular body having an open end and a closed end.

1 27. The method of claim 26 wherein said open end of said supplying and storing
2 means is removably attachable to said toy gun.

1 28. The method of claim 20 wherein said triggering mechanism comprises a trigger
2 and an engaging plate, wherein upon actuation of said trigger by a user, said trigger actuates said

3 engaging plate to slidably push each of said projectile sequentially from said supplying and
4 storing means to said staging area.

1 29. The method of claim 28 wherein said triggering mechanism further comprises a
2 spring and a gear combination, wherein upon actuation of said trigger by a user, said spring
3 compresses and through said gear combination, actuates said engaging plate.

1 30. The method of claim 29 wherein said triggering mechanism further comprises a
2 latching element to ensure that said trigger is fully actuated before said spring returns said
3 engaging plate to its original position.

1 31. The method of claim 20 wherein said launching mechanism comprises a driver
2 motor that imparts rotational movement, a driver disk connected to said driver motor for
3 engaging and expelling said projectile, and a idler disk for pushing said projectile against said
4 driver disk and for supporting said projectile to ensure said projectile exits said toy gun in a
5 reasonably linear fashion.

1 32. The method of claim 20 further comprises the step of providing a sound effect to
2 accompany each actuation of said triggering mechanism.

1 33. The method of claim 20 further comprising the step of providing a power source
2 to supply energy to said at least one black light source and said launching mechanism.